

Figure 2A. DNA and deduced amino acid sequences of hG-CSF-L-vFc_{γ2}

DNA	SEQ ID NO: 17
Amino Acid Sequence	SEQ ID NO: 18
aag ctt ccc aga ccc atg gct gga cct gcc acc cag agc ccc atg aag ctg atg gcc ctg HindIII M A G P A T Q S P M K L M A L 60	
-30	-20
cag ctg ctg ctg tgg cac agt gca ctc tgg aca gtg cag gaa gcc acc ccc ctg ggc cct 120 Q L L L W H S A L W T V Q E A T P L G P	
-10	-1 1
gcc agc tcc ctg ccc cag agc ttc ctg ctc aag tgc tta gag caa gtg agg aag atc cag 180 A S S L P Q S F L L K C L E Q V R K I Q	
10	20
ggc gat ggc gca gcg ctc cag gag aag ctg tgt gcc acc tac aag ctg tgc cac ccc gag 240 G D G A A L Q E K L C A T Y K L C H P E	
30	40
gag ctg gtg ctg ctc gga cac tct ctg ggc atc ccc tgg gct ccc ctg agc agc tgc ccc 300 E L V L L G H S L G I P W A P L S S C P	
50	60
agc cag gcc ctg cag ctg gca ggc tgc ttg agc caa ctc cat agc ggc ctt ttc ctc tac 360 S Q A L Q L A G C L S Q L H S G L F L Y	
70	80
cag ggg ctc ctg cag gcc ctg gaa ggg atc tcc ccc gag ttg ggt ccc acc ttg gac aca 420 Q G L L Q A L E G I S P E L G P T L D T	
90	100
ctg cag ctg gac gtc gcc gac ttt gcc acc acc atc tgg cag cag atg gaa gaa ctg gga 480 L Q L D V A D F A T T I W Q Q M E E L G	
110	120
atg gcc cct gcc ctg cag ccc acc cag ggt gcc atg ccg gcc ttc gcc tct gct ttc cag 540 M A P A L Q P T Q G A M P A F A S A F Q	
130	140
cgc cgg gca gga ggg gtc cta gtt gcc tcc cat ctg cag agc ttc ctg gag gtg tcg tac 600 R R A G G V L V A S H L Q S F L E V S Y	
150	160
cgc gtt cta cgc cac ctt gcc cag ccc gga tcc ggt ggc ggt tcc ggt gga ggc gga agc 660 R V L R H L A Q P G S G G G S G G G G S	
170	180
ggc ggt gga gga tca gag cgc aaa tgt tgt gtc gag tgc cca ccg tgc cca gca cca cct 720 G G G G S E R K C C V E C P P C P A P P	
190	200
gtg gca gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc 780 V A G P S V F L F P P K P K D T L M I S	
210	220
cgg acc cct gag gtc acg tgc gtg gtg gtg gac gtg agc cac gaa gac ccc gag gtc cag 840 R T P E V T C V V V D V S H E D P E V Q	
230	240
ttc aac tgg tac gtg gac ggc gtg gag gtg cat aat gcc aag aca aag cca cgg gag gag 900 F N W Y V D G V E V H N A K T K P R E E	
250	260
cag ttc aac agc acg ttc cgt gtg gtc agc gtc ctc acc gtt gtg cac cag gac tgg ctg 960 Q F N S T F R V V S V L T V V H Q D W L	
270	280
aac ggc aag gag tac aag tgc aag gtc tcc aac aaa ggc ctc cca gcc tcc atc gag aaa 1020 N G K E Y K C K V S N K G L P A S I E K	
290	300
acc atc tcc aaa acc aaa ggg cag ccc cga gaa cca cag gtg tac acc ctg ccc cca tcc 1080 T I S K T K G Q P R E P Q V Y T L P P S	
310	320
cgg gag gag atg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa ggc ttc tac ccc 1140 R E E M T K N Q V S L T C L V K G F Y P	
330	340
agc gac atc gcc gtg gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc aca 1200 S D I A V E W E S N G Q P E N N Y K T T	
350	360
cct ccc atg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag 1260 P P M L D S D G S F F L Y S K L T V D K	
370	380
agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac aac 1320 S R W Q G G N V F S C S V M H E A L H N	
390	400
cac tac acg cag aag agc ctc tcc ctg tct ccg ggt aaa tga gaa ttc 1368 H Y T Q K S L S L S P G K EcoRI	
410	418

Figure 2B. DNA and deduced amino acid sequences of hG-CSF-L-vFc_{γ4}

DNA	SEQ ID NO: 19
Amino Acid Sequence	SEQ ID NO: 20
aag ctt ccc aga ccc atg gct gga cct gcc acc cag agc ccc atg aag ctg atg gcc ctg 60	M A G P A T Q S P M K L M A L
<i>HindIII</i>	
-30	-20
cag ctg ctg ctg tgg cac agt gca ctc tgg aca gtg cag gaa gcc acc ccc ctg ggc cct 120	Q L L L W H S A L W T V Q E A T P L G P
-10	-1 1
gcc agc tcc ctg ccc cag agc ttc ctg ctc aag tgc tta gag caa gtg agg aag atc cag 180	A S S L P Q S F L L K C L E Q V R K I Q
10	20
ggc gat ggc gca gcg ctc cag gag aag ctg tgt gcc acc tac aag ctg tgc cac ccc gag 240	G D G A A L Q E K L C A T Y K L C H P E
30	40
gag ctg gtg ctg ctc gga cac tct ctg ggc atc ccc tgg gct ccc ctg agc agc tgc ccc 300	E L V L L G H S L G I P W A P L S S C P
50	60
agc cag gcc ctg cag ctg gca ggc tgc ttg agc caa ctc cat agc ggc ctt ttc ctc tac 360	S Q A L Q L A G C L S Q L H S G L F L Y
70	80
cag ggg ctc ctg cag gcc ctg gaa ggg atc tcc ccc gag ttg ggt ccc acc ttg gac aca 420	Q G L L Q A L E G I S P E L G P T L D T
90	100
ctg cag ctg gac gtc gcc gac ttt gcc acc acc atc tgg cag cag atg gaa gaa ctg gga 480	L Q L D V A D F A T T I W Q Q M E E L G
110	120
atg gcc cct gcc ctg cag ccc acc cag ggt gcc atg ccg gcc ttc gcc tct gct ttc cag 540	M A P A L Q P T Q G A M P A F A S A F Q
130	140
cgc cgg gca gga ggg gtc cta gtt gcc tcc cat ctg cag agc ttc ctg gag gtg tcg tac 600	R R A G G V L V A S H L Q S F L E V S Y
150	160
cgc gtt cta cgc cac ctt gcc cag ccc gga tcc ggt ggc ggt tcc ggt gga ggc gga agc 660	R V L R H L A Q P G S G G G S G G G G S
170	180
ggc ggt gga gga tca gag tcc aaa tat ggt ccc cca tgc cca cca tgc cca gca cct gag 720	G G G G S E S K Y G P P C P P C P A P E
190	200
ttc <u>gag</u> ggg gga cca tca gtc ttc ctg ttc ccc cca aaa ccc aag gac act ctc atg atc 780	F <u>A</u> G G P S V F L F P P K P K D T L M I
210	220
tcc cgg acc cct gag gtc acg tgc gtg gtg gtg gac gtg agc cag gaa gac ccc gag gtc 840	S R T P E V T C V V V D V S Q E D P E V
230	240
cag ttc aac tgg tac gtg gat ggc gtg gag gtg cat aat gcc aag aca aag ccg cgg gag 900	Q F N W Y V D G V E V H N A K T K P R E
250	260
gag cag ttc aac agc tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg 960	E Q F N S T Y R V V S V L T V L H Q D W
270	280
ctg aac ggc aag gag tac aag tgc aag gtc tcc aac aaa ggc ctc ccg tcc tcc atc gag 1020	L N G K E Y K C K V S N K G L P S S I E
290	300
aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gag cca cag gtg tac acc ctg ccc cca 1080	K T I S K A K G Q P R E P Q V Y T L P P
310	320
tcc cag gag gag atg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa ggc ttc tac 1140	S Q E E M T K N Q V S L T C L V K G F Y
330	340
ccc agc gac atc gcc gtg gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc 1200	P S D I A V E W E S N G Q P E N N Y K T
350	360
acg cct ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc agg cta acc gtg gac 1260	T P P V L D S D G S F F L Y S R L T V D
370	380
aag agc agg tgg cag gag ggg aat gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac 1320	K S R W Q E G N V F S C S V M H E A L H
390	400
aac cac tac aca cag aag agc ctc tcc ctg tct ctg ggt aaa tga gaa ttc 1371	N H Y T Q K S L S L S L G K tga gaa ttc
410	419
	<i>EcoRI</i>

Figure 2C. DNA and deduced amino acid sequences of hG-CSF-L-vFc_{γ1}

DNA	SEQ ID NO: 21
Amino Acid Sequence	SEQ ID NO: 22
aag ctt ccc aga ccc atg gct gga cct gcc acc cag agc ccc atg aag ctg atg gcc ctg 60	
HindIII M A G P A T Q S P M K L M A L	
-30 -20	
cag ctg ctg ctg tgg cac agt gca ctc tgg aca gtg cag gaa gcc acc ccc ctg ggc cct 120	
Q L L L W S A L W T V Q E A T P L G P	
-10 -1 1	
gcc agc tcc ctg ccc cag agc ttc ctg ctc aag tgc tta gag caa gtg agg aag atc cag 180	
A S S L P Q S F L L K C L E Q V R K I Q	
10 20	
ggc gat ggc gca ggc ctc cag gag aag ctg tgt gcc acc tac aag ctg tgc cac ccc gag 240	
G D G A A L Q E K L C A T Y K L C H P E	
30 40	
gag ctg gtg ctg ctc gga cac tct ctg ggc atc ccc tgg gct ccc ctg agc agc tgc ccc 300	
E L V L L G H S L G I P W A P L S S C P	
50 60	
agc cag gcc ctg cag ctg gca ggc tgc ttg agc caa ctc cat agc ggc ctt ttc ctc tac 360	
S Q A L Q L A G C L S Q L H S G L F L Y	
70 80	
cag ggg ctc ctg cag gcc ctg gaa ggg atc tcc ccc gag ttg ggt ccc acc ttg gac aca 420	
Q G L L Q A L E G I S P E L G P T L D T	
90 100	
ctg cag ctg gac gtc gcc gac ttt gcc acc acc atc tgg cag cag atg gaa gaa ctg gga 480	
L Q L D V A D F A T T I W Q Q M E E L G	
110 120	
atg gcc cct gcc ctg cag ccc acc cag ggt gcc atg ccg gcc ttc gcc tct gct ttc cag 540	
M A P A L Q P T Q G A M P A F A S A F Q	
130 140	
cgc cgg gca gga ggg gtc cta gtt gcc tcc cat ctg cag agc ttc ctg gag gtg tgc tac 600	
R R A G G V L V A S H L Q S F L E V S Y	
150 160	
cgc gtt cta cgc cac ctt gcc cag ccc gga tcc ggt ggc ggt tcc ggt gga ggc gga agc 660	
R V L R H L A Q P G S G G S G G G S	
170 180	
ggc ggt gga gga tca gac aaa act cac aca tgc cca ccg tgc cca gca cct gaa gtc ggc 720	
G G G G S D K T H T C P P C P A P E <u>V</u> <u>A</u>	
190 200	
ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc cgg 780	
G G P S V F L F P P K P K D T L M I S R	
210 220	
aca cct gag gtc aca tgc gtg gtg gtg gac gtg agc cac gaa gac cct gag gtc aag ttc 840	
T P E V T C V V V D V S H E D P E V K F	
230 240	
aac tgg tac gtg gac ggc gtg gag gtg cat aat gcc aag aca aag ccg cgg gag gag cag 900	
N W Y V D G V E V H N A K T K P R E E Q	
250 260	
tac aac agc acg tac cgg gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat 960	
Y N S T Y R V V S V L T V L H Q D W L N	
270 280	
ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc tcc atc gag aaa acc 1020	
G K E Y K C K V S N K A L P A <u>S</u> I E K T	
290 300	
atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag gtg tac acc ctg ccc cca tcc cgg 1080	
I S K A K G Q P R E P Q V Y T L P P S R	
310 320	
gat gag ctg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc 1140	
D E L T K N Q V S L T C L V K G F Y P S	
330 340	
gac atc gcc gtg gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc acg cct 1200	
D I A V E W E S N G Q P E N N Y K T T P	
350 360	
ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag agc 1260	
P V L D S D G S F F L Y S K L T V D K S	
370 380	
agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac aac cac 1320	
R W Q Q G N V F S C S V M H E A L H N H	
390 400	
tac acg cag aag agc ctc tcc ctg tct ccg ggt aaa tga gaa ttc 1365	
Y T Q K S L S L S P G K EcoRI	
410 417	